

EAST- [274771.wsp:1]

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DBs: USPAT: JPO: DERWE

☒ Highlight all hit terms initially

**Saved**

- (15) 348/231.2.ccls.
- (129) 348/220.1.ccls.
- (143) 348/231.3-231.6.ccls.
- (45236) mode with continu\$3
- (27151) (reproduc\$3 or play\$3) with mode
- (100039) (group or index or session or folder or directory) with stor\$3
- (293) (mode with continu\$3) and ((reproduc\$3 or play\$3) with mode) and ((group or ind
- (5) (mode with continu\$3) same ((reproduc\$3 or play\$3) with mode) same ((group or in
- (45160) (pickup\$3 or (pick adj1 up) or captur\$3 or record\$3) with continu\$3
- (3) ((reproduc\$3 or play\$3) with mode) same ((group or index or session or folder or dir
- (591) (mode with continu\$3) and (digital or electronic) adj2 camera
- (83) ((group or index or session or folder or directory) with stor\$3) and ((mode with cor
- (16) 5806072.URPN.
- (51472) (mode or pickup\$3 or (pick adj1 up) or captur\$3 or record\$3) with continuous
- (1029) ((mode or pickup\$3 or (pick adj1 up) or captur\$3 or record\$3) with continuous)
- (1048) ((mode or pickup\$3 or (pick adj1 up) or captur\$3 or record\$3) with continuous)
- (31) (US-6229566-\$ or US-6169575-\$ or US-6115799-\$ or US-5806072-\$ or US-5585845-
- (253) ((mode or pickup\$3 or (pick adj1 up) or captur\$3 or record\$3) with continuous) s
- (4) (((mode or pickup\$3 or (pick adj1 up) or captur\$3 or record\$3) with continuous) sar

	U	1	Document ID	Issue Date	Title
1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6226449 B1	20010501	Apparatus for recording and reproducing digital image and speech

His Details HTML

Ready NUM

	U	1	Document ID	Issue Date	Title
1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6226449 B1	20010501	Apparatus for recording and reproducing digital image and speed

**INVENTOR - INN (1):****Ejima, Satoshi****Detail Description Paragraph - DETX (9):**

[0051] Provided on the side Y2 (right side), opposite side Y1, are a voice recording switch 12 operated when recording voice information and a continuous mode switch 13 (first modification means) operated when switching the continuous mode during photography. The voice recording switch and continuous mode switch 13 are placed vertically below the finder 2, photographic lens 2, and light-emitting component 4 provided on the upper end of side X1, in the same manner as the release switch 10 and power switch 11 mentioned above. Also, the voice recording switch 12 is formed at nearly the same height as the release switch 10 on side Y1, and it is formed such that there is no feeling of incongruity when held by either the left or right hand.

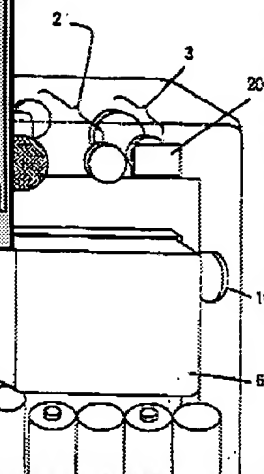
**Detail Description Paragraph - DETX (11):**

[0053] The continuous mode switch 13 mentioned above is used in the case of setting whether to photograph the object in only one frame or to photograph it in a fixed multiple of frames when the user photographs the object by pressing the release switch 10. For example, when the indicator of the continuous mode switch 13 is switched to the position printed with "S" (that is, switched to S

(57)

ABST

An information input apparatus touch tablet positioned on a relative to a photographic lens switches such that the camera pictures and record sounds tional information is input via can be inserted into a shirt [text missing or illegible] emitting component being protrude from the pocket, thus all while the apparatus is inserted finder is positioned approximate and right sides of the camera camera is small enough such with both eyes when looking eye.



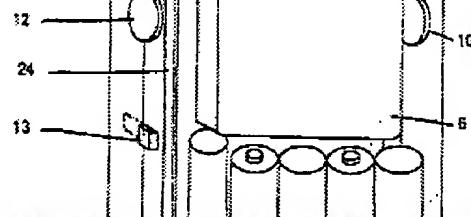
Details Text Image HTML KWIC

2 US 20030189636 A1

3 US 20030164890 A1

4 US 20030156217 A1

5 US 20030147005 A1



KWIC

## Detailed Description Text - DETX (251):

This disclosure is considered as illustrative of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction, operation, and appearance as shown and described, and accordingly all suitable modifications and equivalents may be resorted to without thereby departing from the basic principles of the invention. It will be further understood that the invention is susceptible of embodiment in many various forms, some of which are illustrated in the accompanying drawings, and that structural details and modes of fabrication herein set forth may be varied and interchanged to suit particular purposes and still remain within the applicant's inventive concept. It will be still further understood that pixel assignment, image processing, image display, and image and data distribution according to the sum of or any part of the foregoing disclosure can be used separately or in combination to sequentially or simultaneously influence still and motion picture images in whole or in part without departing from the applicant's inventive concept.

Dec. 25, 2001

Sheet 30 of 34

US 6,333,826 B1

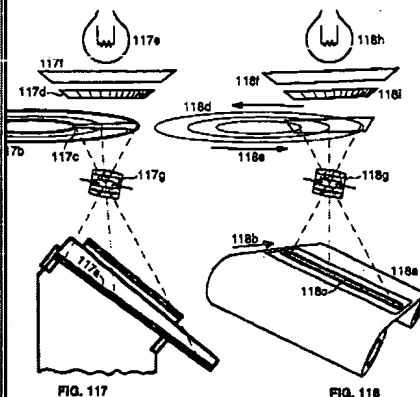


FIG. 117

FIG. 118

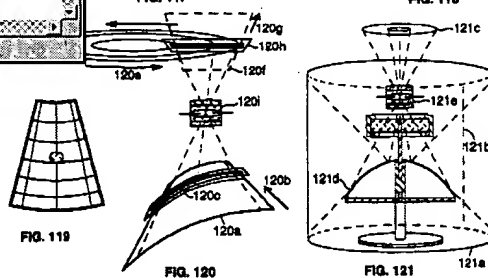


FIG. 119

FIG. 120

FIG. 121

	U	1	Document ID	Issue Date	
1			US 6333826 B1	20011225	Omniram associate
2			US 6285391 B1	20010904	Picture co
3			US 6249309 B1	20010619	Picture co

US-PAT-NO: 6285391

DOCUMENT-IDENTIFIER: US 6285391 B1

TITLE: Picture codec and teleconference terminal equipment

KWIC

## Brief Summary Text - BSTX (11):

Alternatively, the simultaneously display of the still pictures and video is realized by delivering the still picture and motion picture signals to two separate display units, respectively.



US006285391B1

## ates Patent

(10) Patent No.: **US 6,285,391 B1**  
 (45) Date of Patent: **\*Sep. 4, 2001**

AND TELECONFERENCE  
PMENT

(58) Field of Search 348/14.01, 14.08,  
 348/14.1, 14.14, 14.15, 14.07; 379/93.01,  
 93.05-93.08, 93.17, 93.21, 202, 201, 90.01;  
 358/400, 479, 487

data, Yokomaki, Masaki  
 a, Tokyo; Hiroshi  
 Ima, Tachikawa; Hiroshi  
 wa, Fujisawa; Atsuo Yoshida,  
 Hk, Tsuru Echibara,  
 Kameyama; Jun Furuya,  
 Jk, Yokohama; Maruyama,  
 Takahiko Yamada, Chigasaki,  
 J)

## (56) References Cited

## U.S. PATENT DOCUMENTS

D. 328,222 5/2/90 Sato et al. D18/36  
 D. 323,819 2/19/92 Ima D18/223

(List continued on next page.)

## FOREIGN PATENT DOCUMENTS

2912602 7/1981 (DE).  
 3334428 4/1985 (DE).

(List continued on next page.)

## OTHER PUBLICATIONS

G.S. Bharti, "Considerations for ISDN Planning and Imple-  
 mentation", IEEE Communications Magazine, Jan. 1984,  
 vol. 22, No. 1, pp. 16-32.

(List continued on next page.)

Primary Examiner—Wing F. Chan  
 (74) Attorney, Agent, or Firm—Antonelli, Terry, Stout &  
 Kraus, LLP

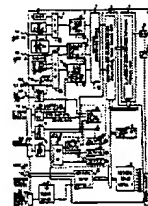
## Application Data

ation No. 08/997,810, filed on Dec.  
 and, and a continuation of application  
 on Jan. 10, 1997, now Pat. No.  
 a continuations of application No.  
 11, 31, 1995, now Pat. No. 5,649,300,  
 in-part of application No. 08/384,  
 995, now Pat. No. 5,677,727, which  
 division No. 07/913,402, filed on Jul.  
 8, 1992, which is a continuation  
 838,348, filed on Feb. 20, 1992, now

## (57) ABSTRACT

In a teleconference terminal equipment; a picture codec for  
 simultaneously displaying a still picture and video on a  
 single screen, comprising an analog-to-digital converter  
 which converts a picture signal into digital picture data, a  
 picture-to-picture processor which is supplied with the digi-  
 tal picture data as self-picture data of the terminal  
 equipment, a video decoder or a still picture decoder which  
 decodes input picture data and delivers the decoded data to  
 the P-to-P processor, and a digital-to-analog converter which  
 is supplied with picture data for forming a P-to-P frame,  
 having been produced from the self-picture data and the  
 decoded data by the P-to-P processor, and which converts  
 the supplied picture data into an analog signal and delivers  
 the analog signal as an output.

16 Claims, 36 Drawing Sheets



Details Text Image HTML KWIC

	U	1	Document ID	Issue Date	
1			US 6333826 B1	20011225	Omnirami associate
2			US 6285391 B1	20010904	Picture co
3			US 6249309 B1	20010619	Picture co

## (30) Foreign Application Priority Data

Jul. 15, 1991 (JP) 3-174049  
 Jan. 24, 1992 (JP) 4-11106  
 (51) Int. Cl. H04N 7/14  
 (52) U.S. Cl. 348/14.07; 379/202; 379/93.21

US-PAT-NO: 5826578

DOCUMENT-IDENTIFIER: US 5826578 A

TITLE: Motion measurement apparatus

KWIC

## Brief Summary Text - BSTX (11):

In still another embodiment, two different images representing separate prior performances of the motion by the user can be simultaneously displayed and compared on the display screen. In so doing, the user is able to see, for example, improvements or changes in his body movements when performing the motion.

Oct. 27, 1998

Sheet 10 of 20

5,826,578

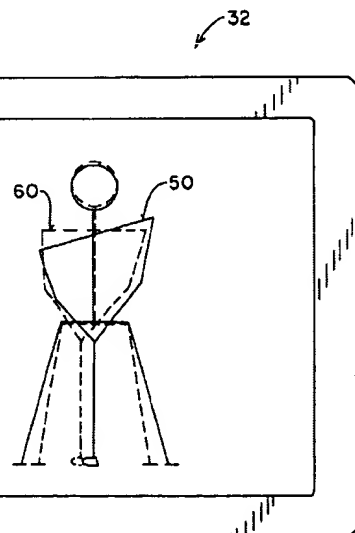


FIG. 7

	U	1	Document ID	Issue Date	
1			US 6556775 B1	20030429	Image an
2			US 5826578 A	19981027	Motion m
3			US 5791351 A	19980811	Motion m

[illegible]



directory. The image files to be recorded in the above individual sub-directories may be registered in a classified state, for instance into a group of the same theme scene pictures or a group of pictures picked up in the same image pick-up period.

Detailed Description Text - DETX (317):

As for the image data play-back, if it is desired not only to successively play back image data files A, B and C in the root directory but also to play back sole files E, F and G of classified image data, this can be done by selecting the sub-directory b directly. By so doing, desired data can be quickly played-back.

Detailed Description Text - DETX (344):

As has been shown, in this embodiment of the DSC image files are classified with the DOS FAT system and sub-directory structure. The results are displayed by tree display with a limit number of operation switches that can be mounted on the camera and few digit display sections, thus permitting a directory process of image files making use of the merits of the tree display. For example, it is possible to produce sub-directories for different themes, such as an image pick-up trip or a sports meeting. Further, it is possible to group continuously picked-up image files as a group distinct from other general

Jun. 24, 2003

Sheet 39 of 90

US 6,583,893 B1

FIG.53

COMMENT ID
NEXT TUPLE POINTER (END CODE)
COMMENT DATA LENGTH
COMMENT DATA

G.54

FIG.55

FICATION				
	U	1	Document ID	Issue Date
12	<input type="checkbox"/>	<input type="checkbox"/>	JP 2002064740 A	20020228
13	<input type="checkbox"/>	<input type="checkbox"/>	US 6583893 B1	20030624
14	<input type="checkbox"/>	<input type="checkbox"/>	US 6111662 A	20000829

COMMENT TUPLE
PLAY-BACK SEQUENCE TUPLE
FILE RELEVANT TUPLE

THE FOLLOWING FILES  
ARE EXISTENT.  
1. DSC 00001.J8I  
2. DSC 00002.J8I  
3. DSC 00003.J8I  
WHICH FILE DO YOU  
SELECT?  
> 1 [CH]

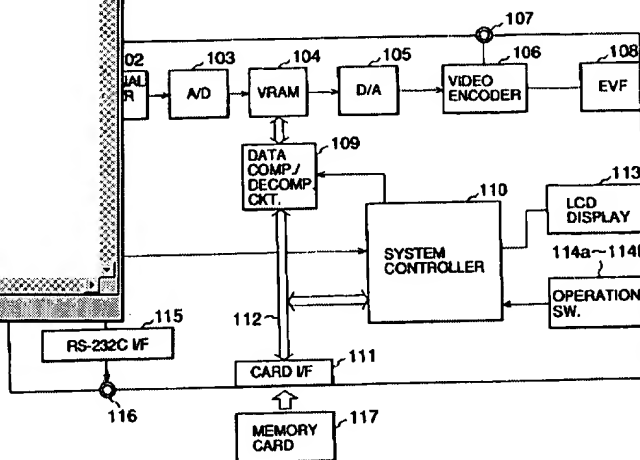


operated according to a sync signal output from a sync signal generator 14 and also to a control signal output from a system controller 12. The system controller 12 controls the data compressing/decompressing circuit 9, card I/F 10, memory controller 13, etc. in response to various operation signals issued from the operation switch section 15.

(10) The operation switch section 15 receives information indicative of the operating state of the following various switches instructing the operation of the camera and sends out the information to the system controller 12. As the switches are a trigger 1 switch 15A for instructing exposure operation, focus lock operation, etc., a trigger 2 switch 15B for instructing recording operation, a minus and a plus feed switch 15C and 15D for selecting image in a play-back operation, a REC/PLAY switch 15E for instructing recording/play-back operation, a picture/sound recording switch 15F, a play-back mode switch 15G, a normal mode switch 15H, a high speed **continuous** (successive) photographing switch 15I, and a low speed continuous photographing switch 15J. An LCD 16 displays the camera operation state under control of the system controller 12.

(11) In this embodiment, as before-mentioned, the modem connected to the telephone line for data transmission and reception through the telephone line, the communication controller 17 connected to the system controller 12 and a serial interface (I/F) 18 connected to the modem side are provided. Further, a communication mode switch 15K is provided in the operation switch section 15.

FIG.36



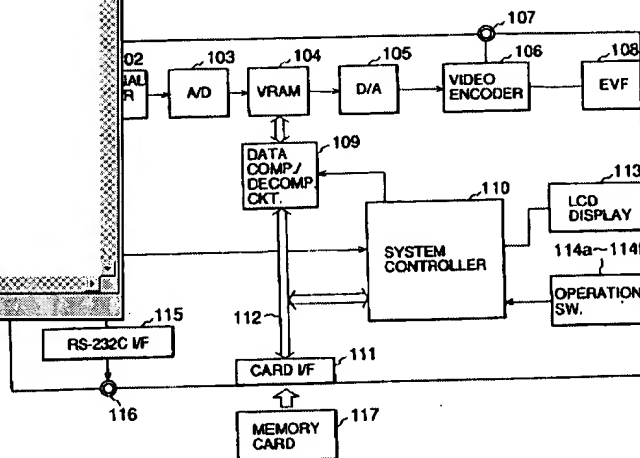
EAST Advanced Find...				
Find what: continuous				
Area	Direction	Match word	Look in	
<input type="radio"/> All	<input type="radio"/> Up	<input type="radio"/> Whole	<input type="radio"/> Left	<input type="radio"/> Grid
<input type="radio"/> Sel/Out	<input type="radio"/> Down	<input type="radio"/> Part	<input type="radio"/> Right	<input type="radio"/> Documents
				<input type="checkbox"/> Match case
14		US 6111662 A	20000829	Electronic
15		US 5914787 A	19990622	Electronic

operated according to a sync signal output from a sync signal generator 14 and also to a control signal output from a system controller 12. The system controller 12 controls the data compressing/decompressing circuit 9, card I/F 10, memory controller 13, etc. in response to various operation signals issued from the operation switch section 15.

(10) The operation switch section 15 receives information indicative of the operating state of the following various switches instructing the operation of the camera and sends out the information to the system controller 12. As the switches are a trigger 1 switch 15A for instructing exposure operation, focus lock operation, etc., a trigger 2 switch 15B for instructing recording operation, a minus and a plus feed switch 15C and 15D for selecting image in a play-back operation, a REC/PLAY switch 15E for instructing recording/play-back operation, a picture/sound recording switch 15F, a play-back mode switch 15G, a normal mode switch 15H, a high speed **continuous** (successive) photographing switch 15I, and a low speed continuous photographing switch 15J. An LCD 16 displays the camera operation state under control of the system controller 12.

(11) In this embodiment, as before-mentioned, the modem connected to the telephone line for data transmission and reception through the telephone line, the communication controller 17 connected to the system controller 12 and a serial interface (I/F) 18 connected to the modem side are provided. Further, a communication mode switch 15K is provided in the operation switch section 15.

FIG.36



	U	1	Document ID	Issue Date	
13.			US 6583893 B1	20030624	Electronic
14			US 6111662 A	20000829	Electronic
15			US 5914787 A	19990622	Electronic

US-PAT-NO: 5717506

DOCUMENT-IDENTIFIER: US 5717506 A

\*\*See image for Certificate of Correction\*\*

TITLE: Image communication apparatus for communicating binary  
and multi-value color image data

KWIC

## Detailed Description Text - DETX (25):

When this operation is selected, the directory names which are subordinate directories of the transmission image directory 22 are read out and displayed on the display portion. The displayed directories are classified into two types: one, the date directories under which the image files for the general remote parties are stored and the other, the directories under which the image files for the special remote parties are stored.

	U	1	Document ID	Issue Date	
18	<input type="checkbox"/>	<input type="checkbox"/>	US 20020075330 A	20020620	Graphica display ne main disp
19	<input type="checkbox"/>	<input type="checkbox"/>	US 5717506 A	19980210	Image co multi-valu
20	<input type="checkbox"/>	<input type="checkbox"/>	JP 2003069935 A	20030307	Image da producinc

Feb. 10, 1998

Sheet 23 of 37

5,717,506

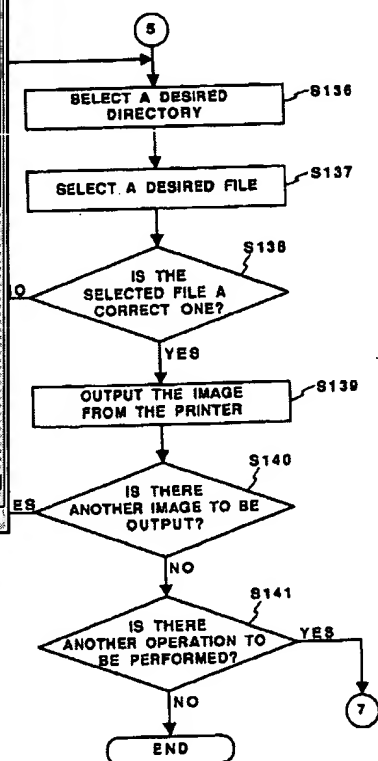


FIG. 15F